

SAFETY DATA SHEET

Issue Date: 18 June, 2025

SECTION 1

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **BioForce Bacterize 5 Granular**

Other Names: Biological blend.
Use: Natural soil inoculant.
Company: Indigo Specialty Products Pty Ltd
Address: 3/49 Donaldson Rd, Rocklea, Qld 4106
ACN/ABN: 631 459 660
Email: enquiries@indigospecialty.com
Emergency Contact: 0491 201 694

SECTION 2

HAZARDS IDENTIFICATION

Not Classified as hazardous according to criteria of Safe Work Australia.
Not classified as a Dangerous Good according to the ADG Code.

GHS Signal word: WARNING.

Eye irritation Category 2B

HAZARD STATEMENT:

H303: May be harmful if swallowed

H320: Causes eye irritation.

PREVENTION

P102: Keep out of reach of children.

P264+P265: Wash hands and contacted areas thoroughly after handling. Do not touch eyes.

P280: Wear protective gloves, protective clothing and eye or face protection.

P281: Use personal protective equipment as required.

RESPONSE

P337: If eye irritation persists: seek medical attention.

P353: Rinse skin or shower with water.

P301+ P317: IF SWALLOWED: : Get emergency medical help..

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P317: If eye irritation persists: Get emergency medical help.

P370+P378: Not combustible. Use extinguishing media suited to burning materials.

STORAGE

P404: Store in a closed container.

DISPOSAL

P501: If product cannot be recycled, contact a specialist waste disposal company (see Section 13 of this SDS).

SECTION 3

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

CHEMICAL	CAS NUMBER	PROPORTION (% BY WEIGHT)
Bacillus subtilis, GB122	N/A	0.6%*
Bacillus licheniformis , GB122	N/A	
Bacillus megaterium, GB122	N/A	
Bacillus Mucilaginosus, GB122	N/A	
Bacillus Thuringiensis BT TO8022	N/A	

*Filler (respirable dust)	Makeup to 100%
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*Trade secret information available as provided in 29 CFR1910.1200(1)

BACILLUS GENRA: Bacillus Bacteria mixture

FORMULA: 1×10^{11} cfu /g, Granule

SECTION 4**FIRST AID MEASURES****FIRST AID**

Eye contact: Keep eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.

Ingestion: If swallowed do NOT induce vomiting. Wash mouth with water. If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 131 126.

Skin contact: Remove contaminated clothing and wash before re-use. Wash skin with soap and water to remove chemical. If skin is irritated, seek medical advice.

Inhalation: Remove to fresh air and observe until recovered.

SECTION 5**FIRE FIGHTING MEASURES**

Specific Hazard: Generally considered a low risk.

Extinguishing media: Not flammable. Choose extinguishing media to suit the burning material. Contain all runoff.

Hazards from combustion products: There is no risk of an explosion from this product under normal circumstances if involved in a fire. Product is unlikely to decompose until heated to dryness. Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk to of exposure to vapour or smoke.

Precautions for fire-fighters and special protective equipment: Isolate fire area. Evacuate downwind residents. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke or vapours generated.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

Emergency procedures: Spillage should be shoveled, swept, vacuumed up or moistened with water and removed. Collected waste should be returned to the container or tank of application equipment. Prevent spilled material from directly entering ground or surface water.

Material and methods for containment and cleanup procedures: To clean spill area, tools and equipment, wash with a solution of soap, water and acetic acid/vinegar. Follow this with a neutralisation step of washing the area with a bleach or caustic soda ash solution. Finally, wash with a strong soap and water solution. Absorb, as above, any excess liquid and add both solutions to the drums of waste already collected. If a significant quantity of material enters drains, advise emergency services. Thoroughly launder protective clothing before storage or re-use.

SECTION 7**HANDLING AND STORAGE**

Precautions for Safe Handling: No smoking, eating or drinking should be allowed where material is used or stored.

Conditions for Safe Storage: Store in the closed, original container in a well-ventilated area away from children, animals, food and feedstuffs. Do not store for prolonged periods in direct sunlight. Not classified as a Dangerous Good. Store indoors.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines:**

Exposure guidelines have not been established for this product by Safe Work Australia.

Biological Limit Values:

No biological limit allocated.

Engineering controls:

Use in ventilated areas. Keep containers closed when not in use.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION (Continued)**Personal Protective Equipment (PPE):**

General: When opening the container and preparing spray or using undiluted concentrate, wear normal clothing, a washable hat, elbow-length chemical resistant gloves, impervious footwear and dust filtering respirator, goggles or face shield.

Personal Hygiene: Avoid contact with the eyes and skin. Do not inhale dust. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. Shower at the end of the workday.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Powder.
Odour:	Characteristic fermentation odour.
Boiling point:	Not known.
Freezing point:	Not known.
Specific Gravity:	Not applicable.
Solubility in Water:	Soluble in water.
pH:	5 - 7.
Flammability:	Not flammable.
Corrosive hazard:	Not corrosive.
Flashpoint (°C):	Not flammable.
Flammability Limits (%):	Not established.
Poisons Schedule:	Not a scheduled poison.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Product is considered stable in ambient conditions for a period of at least 2 years after manufacture.

Conditions to avoid: Do not store for prolonged periods in direct sunlight. Store indoors.

Incompatible materials: Disinfectants, acids, oxidizers.

Hazardous decomposition products: Not applicable.

Hazardous reactions: No particular reactions to avoid.

SECTION 11 TOXICOLOGICAL INFORMATION

No specific data is available for this product as no toxicity tests have been conducted on this product. Information presented is our best judgement based on similar products and/or individual components. As with all products for which limited data is available, caution must be exercised through the use of protective equipment and handling procedures to minimise exposure.

ACUTE EFFECTS

Swallowed: Harmful if swallowed. Acute oral LD₅₀ > 5000 mg/kg.

Eye: Not established.

Skin: Not established.

Inhaled: Not established.

Long Term Exposure: No data available.

SECTION 12 ECOLOGICAL INFORMATION**Environmental Toxicology:**

Fishes:	Low toxicity	96 hours	LC ₅₀ 2×10 ⁸ per/mL
Bee:	Low toxicity	48 hours	LC ₅₀ 2.03×10 ¹⁰ per/mL
Birds:	Low toxicity	7 days	LC ₅₀ 5×10 ¹¹ per/kg

Silkworm: Low toxicity 2nd instar LC₅₀ 124×10¹¹ per/kg (mulberry leaf)

Environmental Fate:

No data available

SECTION 13**DISPOSAL CONSIDERATIONS**

Spills and Disposal: Persons involved in cleanup require adequate skin protection - see Section 8. Keep material out of streams and sewers. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities.

Ideally the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).

Disposal of empty containers: Dispose of container in an approved disposal facility.

SECTION 14**TRANSPORT INFORMATION**

Road & Rail Transport: This product is not classified as a Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail. Not classified as a Dangerous Good for marine or air transport.

SECTION 15**REGULATORY INFORMATION**

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is not a scheduled poison.

This product is not classified as a Hazardous Substance under the criteria of Safe Work Australia.

This product is not classified as a Dangerous Good according to the ADG Code (7.7 Ed).

This product is not classified as a Dangerous Good according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

SECTION 16**OTHER INFORMATION**

Issue Date: 18 June 2025. Valid for 5 years till 17 June 2030. (5-year update).

Key to abbreviations and acronyms used in this SDS:

ADG Code Australian Dangerous Goods Code (for the transport of dangerous goods by Road and Rail).

LD₅₀: Median Lethal Dose. A statistically derived single dose of a substance that can be expected to cause death in 50% of dosed animals.

PPE Personal protective equipment.

TWA The Time Weighted Average airborne concentration over an eight-hour working day, for a five day working week over an entire working life.

Safe Work Australia: Formally known as Australian Safety & Compensation Council (ASCC) which was formally known as the National Occupational Health & Safety Commission (NOHSC).

References

1. "Hazardous Chemicals Information System". Safe Work Australia HCIS website. (2025).
2. "Classifying Hazardous Substances" Safe Work Australia. August 2018.
3. Globally Harmonized System of Classification and Labelling of Chemicals (GHS). United Nations, 2017 (7th ED).

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

End SDS